

Useful Constants, Formulae, and Conversions

$$1 \text{ atm} = 760 \text{ torr}$$
$$101325 \text{ Pa}$$

$$1 \text{ bar} = 100,000 \text{ Pa}$$

$$R = 0.08205736608 \frac{\text{L}\cdot\text{atm}}{\text{mol}\cdot\text{K}}$$

$$0.08314462618 \frac{\text{L}\cdot\text{bar}}{\text{mol}\cdot\text{K}}$$

$$8.314462618 \frac{\text{J}}{\text{mol}\cdot\text{K}}$$

$$62.36359822 \frac{\text{L}\cdot\text{torr}}{\text{mol}\cdot\text{K}}$$

$$g = 9.80665$$

$$K = ^\circ\text{C} + 273.15$$